

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
21 April 2005 (21.04.2005)

PCT

(10) International Publication Number  
**WO 2005/035036 A1**

(51) International Patent Classification: **A61M 15/00,**  
B65D 83/14, B65B 31/00, B29C 71/00

**TROFAST, Eva [SE/SE]; AstraZeneca R & D Lund, S-221**  
87 Lund (SE).

(21) International Application Number:  
PCT/GB2004/004202

(74) Agent: **ASTRAZENECA;** Global Intellectual Property,  
S-151 85 Sodertalje (SE).

(22) International Filing Date: 4 October 2004 (04.10.2004)

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AB, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NL, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
0302665-5 7 October 2003 (07.10.2003) SE

(71) Applicant (for all designated States except MG, US): **AS-**  
**TRAZENECA AB [SE/SE];** Sodertalje, S-151 85 (SE).

(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,  
SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG).

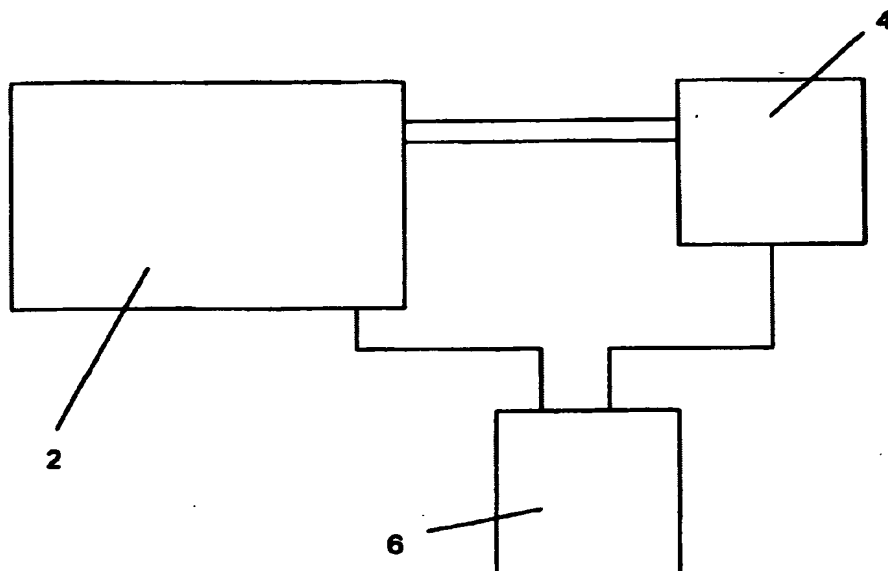
(71) Applicant (for MG only): **ASTRAZENECA UK LIM-**  
**ITED [GB/GB];** 15 Stanhope Gate, London, Greater Lon-  
don W1K 1LN (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **OLSSON, Magnus**  
[SE/SE]; AstraZeneca R & D Lund, S-221 87 Lund (SE).

[Continued on next page]

(54) Title: DRY POWDER INHALER



(57) Abstract: The invention relates to a processing method and apparatus, more particularly, to processing a body so as to remove any electrostatic charge and improve inhaler performance in drug delivery to the respiratory tract.

WO 2005/035036 A1